



# NATIONAL HURRICANE CENTER

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## Hurricane Florence Public Advisory

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### BULLETIN

Hurricane Florence Advisory Number 56  
NWS National Hurricane Center Miami FL AL062018  
500 AM EDT Thu Sep 13 2018

...OUTER RAIN BANDS OF FLORENCE ARE APPROACHING THE COAST OF  
NORTH CAROLINA...  
...LIFE-THREATENING STORM SURGE AND RAINFALL EXPECTED...

### SUMMARY OF 500 AM EDT...0900 UTC...INFORMATION

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LOCATION...32.8N 74.7W  
ABOUT 205 MI...325 KM ESE OF WILMINGTON NORTH CAROLINA  
ABOUT 250 MI...405 KM ESE OF MYRTLE BEACH SOUTH CAROLINA  
MAXIMUM SUSTAINED WINDS...110 MPH...175 KM/H  
PRESENT MOVEMENT...NW OR 315 DEGREES AT 15 MPH...24 KM/H  
MINIMUM CENTRAL PRESSURE...956 MB...28.23 INCHES

### WATCHES AND WARNINGS

#### CHANGES WITH THIS ADVISORY:

The Tropical Storm Watch from north of the North Carolina/Virginia border to Cape Charles Light Virginia and for the Chesapeake Bay south of New Point Comfort has been changed to a Tropical Storm Warning.

#### SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

- A Storm Surge Warning is in effect for...
- \* South Santee River South Carolina to Duck North Carolina
  - \* Albemarle and Pamlico Sounds, including the Neuse and Pamlico Rivers
- A Storm Surge Watch is in effect for...
- \* Edisto Beach South Carolina to South Santee River South Carolina
  - \* North of Duck North Carolina to the North Carolina/Virginia border
- A Hurricane Warning is in effect for...
- \* South Santee River South Carolina to Duck North Carolina
  - \* Albemarle and Pamlico Sounds
- A Hurricane Watch is in effect for...
- \* Edisto Beach South Carolina to South Santee River South Carolina
- A Tropical Storm Warning is in effect for...
- \* North of Duck North Carolina to Cape Charles Light Virginia
  - \* Chesapeake Bay south of New Point Comfort

Interests elsewhere in the southeastern and mid-Atlantic states should monitor the progress of Florence.

A Storm Surge Warning means there is a danger of life-threatening inundation, from rising water moving inland from the coastline. For a depiction of areas at risk, please see the National Weather Service Storm Surge Watch/Warning Graphic, available at [hurricanes.gov](http://hurricanes.gov). This is a life-threatening situation. Persons

located within these areas should take all necessary actions to protect life and property from rising water and the potential for other dangerous conditions. Promptly follow evacuation and other instructions from local officials.

A Storm Surge Watch means there is a possibility of life-threatening inundation, from rising water moving inland from the coastline.

A Hurricane Warning means that hurricane conditions are expected somewhere within the warning area, in this case within the next 12 to 24 hours. Preparations to protect life and property should be nearing completion.

A Hurricane Watch means that hurricane conditions are possible within the watch area. A watch is typically issued 48 hours before the anticipated first occurrence of tropical-storm-force winds, conditions that make outside preparations difficult or dangerous.

A Tropical Storm Warning means that tropical storm conditions are expected somewhere within the warning area.

For storm information specific to your area, including possible inland watches and warnings, please monitor products issued by your local National Weather Service forecast office.

#### DISCUSSION AND OUTLOOK

At 500 AM EDT (0900 UTC), the center of Hurricane Florence was located near latitude 32.8 North, longitude 74.7 West. Florence is moving toward the northwest near 15 mph (24 km/h), and this general motion, accompanied by a gradual decrease in forward speed, is expected to continue through today. A turn to the west-northwest and west at an even slower forward speed is expected tonight and Friday, and a slow west-southwestward motion is forecast Friday night and Saturday. On the forecast track, the center of Florence will approach the coasts of North and South Carolina later today, then move near or over the coast of southern North Carolina and eastern South Carolina in the hurricane warning area tonight and Friday. A slow motion over eastern South Carolina is forecast Friday night through Saturday night.

Maximum sustained winds are near 110 mph (175 km/h) with higher gusts. Little change in strength is expected before the center reaches the coast, with weakening expected after the center moves inland.

Florence is a large hurricane. Hurricane-force winds extend outward up to 80 miles (130 km) from the center and tropical-storm-force winds extend outward up to 195 miles (315 km). A NOAA buoy located about 80 miles (130 km) south of the center of Florence has recently reported sustained winds of 52 mph (83 km/h) with a gust to 64 mph (104 km/h).

The estimated minimum central pressure is 956 mb (28.23 inches).

#### HAZARDS AFFECTING LAND

**STORM SURGE:** The combination of a dangerous storm surge and the tide will cause normally dry areas near the coast to be flooded by rising waters moving inland from the shoreline. The water has the potential to reach the following heights above ground if peak surge occurs at the time of high tide...

Cape Fear NC to Cape Lookout NC, including the Neuse, Pamlico, Pungo, and Bay Rivers...9-13 ft  
 North Myrtle Beach SC to Cape Fear NC...6-9 ft  
 Cape Lookout NC to Ocracoke Inlet NC...6-9 ft  
 South Santee River SC to North Myrtle Beach SC...4-6 ft  
 Ocracoke Inlet NC to Salvo NC...4-6 ft  
 Salvo NC to North Carolina/Virginia Border...2-4 ft  
 Edisto Beach SC to South Santee River SC...2-4 ft

The deepest water will occur along the immediate coast in areas of onshore winds, where the surge will be accompanied by large and destructive waves. Surge-related flooding depends on the relative timing of the surge and the tidal cycle, and can vary greatly over short distances. For information specific to your area, please see

products issued by your local National Weather Service forecast office.

**RAINFALL:** Florence is expected to produce heavy and excessive rainfall in the following areas...

Coastal North Carolina into far northeastern South Carolina...20 to 30 inches, isolated 40 inches. This rainfall would produce catastrophic flash flooding and prolonged significant river flooding.

Rest of South and North Carolina into southwest Virginia...6 to 12 inches, isolated 24 inches.

**WIND:** Hurricane conditions are expected to reach the coast within the hurricane warning area this evening or early Friday. Winds are expected to first reach tropical storm strength by later this morning or early this afternoon, making outside preparations difficult or dangerous. Preparations to protect life and property should be nearing completion.

**TORNADOES:** A few tornadoes are possible in eastern North Carolina through Friday.

**SURF:** Swells generated by Florence are affecting Bermuda, portions of the U.S. East Coast, and the northwestern and central Bahamas. These swells are likely to cause life-threatening surf and rip current conditions. Please consult products from your local weather office.

**NEXT ADVISORY**

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Next intermediate advisory at 800 AM EDT.

Next complete advisory at 1100 AM EDT.

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Forecaster Brown

### Quick Links and Additional Resources

#### TROPICAL CYCLONE FORECASTS

[Tropical Cyclone Advisories](#)  
[Tropical Weather Outlook](#)  
[Audio/Podcasts](#)  
[About Advisories](#)

#### MARINE FORECASTS

[Offshore Waters Forecasts](#)  
[Gridded Forecasts](#)  
[Graphiccast](#)  
[About Marine](#)

#### SOCIAL MEDIA

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[Twitter](#)  
[YouTube](#)  
[NHC Blog: "Inside the Eye"](#)

#### HURRICANE PREPAREDNESS

[Preparedness Guide](#)  
[Hurricane Hazards](#)  
[Watches and Warnings](#)  
[Marine Safety](#)  
[Ready.gov Hurricanes](#)  
[Weather-Ready Nation](#)  
[Emergency Management Offices](#)

#### RESEARCH AND DEVELOPMENT

[NOAA Hurricane Research Division](#)  
[Joint Hurricane Testbed](#)  
[Hurricane Forecast Improvement Program](#)

#### OTHER RESOURCES

[Q & A with NHC](#)  
[NHC/AOML Library Branch](#)  
[NOAA: Hurricane FAQs](#)  
[National Hurricane Operations Plan](#)  
[WX4NHC Amateur Radio](#)

#### NWS FORECAST OFFICES

[Weather Prediction Center](#)  
[Storm Prediction Center](#)  
[Ocean Prediction Center](#)  
[Local Forecast Offices](#)  
[Central Pacific Hurricane Center](#)

#### WORLDWIDE TROPICAL CYCLONE CENTERS

[Canadian Hurricane Centre](#)  
[Joint Typhoon Warning Center](#)  
[Other Tropical Cyclone Centers](#)  
[WMO Severe Weather Info Centre](#)



US Dept of Commerce  
 National Oceanic and Atmospheric Administration  
 National Hurricane Center  
 11691 SW 17th Street  
 Miami, FL, 33165  
[nhcwebmaster@noaa.gov](mailto:nhcwebmaster@noaa.gov)

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